Michael J. Goldstein

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Self-motivated computer engineer with strong communication and leadership skills. Interested in systems engineering, computer security and cryptography, hardware engineering & design, and real-time computing.

Education

University of Illinois at Urbana-Champaign – *College of Engineering*
GPA: 3.4 / 4.0; *Major*: Computer Engineering; *Anticipated Graduation*: May 2017
Honors: Ambassador for Engineering Marketing Dept; Third in Microsoft OS Design Competition

Experience

Akuna Capital, Hardware Engineering Intern – *May 2016 – present; Chicago, IL*

- Worked on parts of Akuna's proprietary hardware trading engine in SystemVerilog
- Wrote testbenches to verify the modules created

Akuna Capital, Software Engineering Intern *– Mar 2014 – Jan 2016; Champaign, IL & Chicago, IL*

- Developed and maintained proprietary software in C# used by derivatives traders
- Reviewed code and mentored other interns
- Worked 10-20 hours per week as an intern while a full time student at the University of Illinois
- Chosen as a finalist for Research Park Most Outstanding Undergraduate Intern

University of Illinois, ECE 391 Teaching Assistant *– Starting Aug 2016; Champaign, IL*

- Chosen from hundreds of students to be an undergraduate TA for the next two semesters
- Responsibilities will include staying familiar with course progress and material, answering questions posted to online forums, holding office hours in the lab, and grading exams

University of Illinois, Research Park Ambassador *– Sept 2014 – Dec 2015; Champaign, IL*

- Attended career fairs and spoke with attendees about relevant positions for them within the University of Illinois Research Park and the benefits of working there

Projects

Secure VOIP Phone – *June 2016 – present*

- Creating an FPGA chip in SystemVerilog to decrypt/play and encrypt/send voice data via UDP datagram in a real-time manner
- Creating an identification server to assist with two nodes connecting for a call

Pseudorandom Number Generator *– June 2013 – Feb 2015*

- Researched random number generation and developed a pseudorandom number generator in Java
- Wrote a blog article describing random number generation – read it here `bit.ly/mgold_rng`
- Created a test framework for random number generators to run statistical tests of randomness using several different methods
- Wrote a blog article describing how to go about testing PRNGs – read it here `bit.ly/mgold_rand`

Stroll Safe *– Mar 2015 – May 2015*

- Developed an Android app to keep students safe when walking places late at night
- Awarded "Most Dropboxy Hack" at HackIllinois
- Wrote a blog article about the overall experience – read it here `bit.ly/mgold_hackillinois`

Make Chrome Great Again *– Feb 2016*

- Created a humorous Google Chrome extension to find and replace faces with Donald Trump's face
- Awarded "Honorable Mention" by Google at HackIllinois
- Released the extension to the Chrome Webstore – get it here `bit.ly/make_chrome_great`